



STATE OF CALIFORNIA  
DEPARTMENT OF FOOD AND  
AGRICULTURE  
1220 N Street, Room A-372  
Sacramento, CA 95814

## PHYTOSANITARY ADVISORY

NO. 13-2007

DATE: May 17, 2007  
TO: All County Agricultural Commissioners  
FILE: Summary of Federal Regulations  
SUBJECT: Summary of Light Brown Apple Moth Federal Domestic Quarantine Order Requirements

On May 2, 2007, the United States Department of Agriculture, Animal and Plant Health Inspection Service, released the Federal Quarantine Order for *Epiphyas postvittana*, light brown apple moth (LBAM) (see Phytosanitary Advisory 09-2007). The State Interior Quarantine for Light Brown Apple Moth will be revised to match the restrictions of the Federal Quarantine Order.

The following protocols should be used to enforce the requirements of the State Interior Quarantine and/or the Federal Quarantine Order:

- I. **Production and retail nurseries and producers** of cut flowers, garlands, wreaths or greenery, and cut Christmas trees located **within 1.5 miles** of an LBAM detection **OR** inside the State Interior Quarantine boundaries:
  - A. Trapping and Inspection (Interstate and Intrastate Shipping Nurseries and Growing Locations)
    1. Biweekly servicing of LBAM traps; one trap per five acres.
    2. Nursery or growing ground must implement robust Integrated Pest Management (IPM) program consisting of regular inspection and approved treatments designed to target LBAM.
    3. Inspections:
      - Biweekly visual inspection of all plants intended for movement within two weeks, **OR**
      - Monthly visual inspections of all plants intended for movement within one month if produced and maintained in an enclosed growing facility (adequacy of enclosure to be determined by inspectors), **OR**
      - Per shipment inspection.
  - B. Trapping and Inspection (Retail Nurseries)
    1. No LBAM trapping is required unless nursery ships interstate.
    2. Monthly visual inspections of all plants.
    3. Retail nursery must implement IPM program targeting Tortricid larvae.
  - C. Procedures for an LBAM Infestation (All Shipping and Retail Nurseries and Growing Locations)
    1. If LBAM female, larva, pupa, or egg mass is detected at a nursery, **all plants on premises must be placed on hold**. One or more of the options below must be conducted:
      - Treat all plants at nursery with product efficacious against LBAM eggs (<http://phpps.cdfa.ca.gov/user/frmLogon2.asp>). Plants must be 100% re-inspected after treatment with negative findings before release, **OR**
      - All plants intended for shipment in two weeks must be treated with product efficacious for LBAM larvae (<http://phpps.cdfa.ca.gov/user/frmLogon2.asp>). Treated plants must be safeguarded in an approved enclosure for ten days. LBAM detection traps must be placed in enclosure; one trap per five acres. Treated plants must be 100% re-inspected after ten-days with negative findings before release, **OR**
      - All plants intended for shipment within 30 days must be safeguarded in an approved enclosure for 30 days. LBAM traps must be placed in enclosure; one trap per five acres. Treated plants must be 100% re-inspected after 30-days with negative findings before release.
    2. **If live LBAM female, larvae, pupae, or egg masses are detected after treatment and re-inspection, infested plants must be held or re-treated and re-inspected with negative findings before release. All non-infested plants may be released.**

D. Compliance and Certification (All Shipping and Retail Nurseries and Growing Locations)

1. All shipments of nursery stock, cut flowers, garlands, wreaths or greenery, and cut Christmas trees (interstate, intrastate and within the quarantine area) must be accompanied by quarantine certification. For interstate shipments, the federal shield and tracking log may be used (Exhibit F). For intrastate shipments, including shipments within the quarantine areas, a master quarantine certificate or federal shield may be authorized by the county agricultural commissioner.
2. Shipping nurseries and growing locations may be issued a compliance agreement by the county agricultural commissioner (<http://phpps.cdfa.ca.gov/user/frmLogon2.asp>).
3. **Retail nurseries** must be issued a compliance agreement stipulating that the nursery must make the informational LBAM flyers and quarantine maps (<http://phpps.cdfa.ca.gov/user/frmLogon2.asp>) available to all customers who purchase plant material.
4. **Locations that only ship** (interstate and intrastate) cut flowers, garlands, wreaths or greenery, and cut Christmas trees and **that do not produce** such commodities may enter into a compliance agreement with the county agricultural commissioner and may be authorized to use a master quarantine certificate or federal shield under one of the following conditions:
  - a. Shipping locations must receive commodities from quarantined counties accompanied by a federal shield or other quarantine compliance certificate **OR**
  - b. Shipping locations must make commodities available for periodic inspections as determined necessary by the county agricultural commissioner.

II. **Production and retail nurseries and producers** of cut flowers, garlands, wreaths or greenery, and cut Christmas trees located **more than 1.5 miles** from an LBAM detection **AND** outside the State Interior Quarantine boundaries:

A. Trapping and Inspection (Interstate Shipping Nurseries and Growing Locations)

1. Biweekly servicing of LBAM traps; one trap per five acres.
2. One-time visual inspection for all LBAM life stages on all nursery stock to determine freedom from LBAM.

B. Trapping and Inspection (Retail Nurseries)

1. No LBAM trapping is required unless nursery ships interstate.
2. One-time visual inspection for all LBAM life stages on all nursery stock to determine freedom from LBAM.

C. Infested Nursery Procedures (Production and Retail):

1. If any life stage of LBAM is **confirmed** on a nursery premises, the nursery with the detection and all nurseries within 1.5 miles must follow procedures outlined in Section I. A-D above.
2. If "possible" LBAM larva, pupa, or egg mass is detected on a nursery premises, all plants at the nursery must be placed on hold and:
  - Follow procedures outlined in Section I.C. above **OR**
  - Treat all LBAM-positive plant(s) or lot(s) with product efficacious against LBAM eggs. Treated plants must be 100% re-inspected prior to release. All other plants at the nursery must be held for the duration of one complete LBAM life cycle, during which time LBAM detection trapping at the nursery must continue with negative results. Less than the entire nursery may be held if inspectors determine that the infestation can be attributed to an incoming shipment.

D. Compliance and Certification

1. All interstate shipping nurseries (production and retail) must be issued a compliance agreement by the county agricultural commissioner (<http://phpps.cdfa.ca.gov/user/frmLogon2.asp>).
2. All interstate shipments must be accompanied by quarantine certification. Shippers may be authorized to use the federal shield and tracking log (Exhibit F).

3. For intrastate shipments, including shipments within the quarantine counties, shippers may voluntarily enter the interstate shipping compliance agreement with the county agricultural commissioner and may be authorized to use a master quarantine certificate or federal shield.

### III. Green Waste

#### A. Compliance and Certification

1. All green waste transporters and receivers within the quarantined counties must be issued a compliance agreement by the county agricultural commissioner.  
(<http://phpps.cdfa.ca.gov/user/frmLogon2.asp>). For receivers outside of a quarantined county, the receiver must request a departmental permit from CDFA's permit office. Compliance agreements for green waste transporters and receivers are parallel to those in use for the *Phytophthora ramorum* quarantine.
2. All green waste leaving the quarantined area must be accompanied by quarantine certification. A copy of the compliance agreement in the vehicle meets this requirement.

### IV. Hay/Straw/Fodder

*Under development*

### V. Community Gardens (Within the Area Regulated by the Interior State Quarantine-CCR 3434)

#### A. Inspection

1. All harvested commodities for immediate consumption, from the garden, may be moved within the State Interior Quarantine area. All harvested commodities leaving the State Interior Quarantined area must be inspected at intervals specified by the county agricultural commissioner (i.e., once monthly, per shipment).

#### B. Compliance

1. All community gardens within the State Interior Quarantined area must be issued a compliance agreement by the county agricultural commissioner  
(<http://phpps.cdfa.ca.gov/user/frmLogon2.asp>).

### VI. Harvested Commodities (Fruits and Vegetables)

The federal/state/county Light Brown Apple Moth Cooperative Quarantine Project is developing inspection and certification procedures for commercial operations in major agricultural production areas of the quarantined counties. Counties may provide certification for intra- and interstate shipments of harvested commodities under the following procedures:

#### A. Trapping and Inspection

1. Growing location within 1.5 miles of an LBAM detection:
  - a. Biweekly servicing of traps; approved detection levels.
  - b. Inspection of production field or of harvested commodity at shipping location within 30 days prior to shipping.
2. Growing location more than 1.5 miles of an LBAM detection
  - a. Biweekly servicing of traps; approved detection levels.
3. Shipping locations in a quarantined county **(including produce dealers)** Note: the Federal Quarantine Order does not regulate locations that only ship (do not produce) regulated commodities. Shipping locations may voluntarily request certification. Counties may provide certification under the following procedures:
  - a. Shipping locations must receive commodities from quarantined counties accompanied by a federal shield or other quarantine compliance certificate **OR**
  - b. Shipping locations must make commodities available for periodic inspections as determined necessary by the county agricultural commissioner.

B. Procedures for Infested Growing Location or Harvested Commodities  
*Under development*

C. Compliance and Certification

1. All interstate shipments of harvested commodities **produced** in a quarantine county must be accompanied by quarantine certification. Shippers may be issued a compliance agreement (<http://phpps.cdfa.ca.gov/user/frmLogon2.asp>) and authorized to use the federal shield and tracking log (Exhibit F).
2. **Locations that only ship** (interstate and intrastate) harvested commodities from a quarantined county may be issued a compliance agreement stipulating adherence to the procedures listed in section V.A.3. above, and may be authorized to use a federal shield or master certificate of quarantine compliance.

If you have any questions regarding this advisory, contact Amber Morris at (916) 654-0312 or by e-mail at [amorris@cdfa.ca.gov](mailto:amorris@cdfa.ca.gov).